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Erratum: National Ignition Campaign Hohlraum energetics

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Physics of Plasmas

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Erratum: National Ignition Campaign Hohlraum energetics [Phys. Plasmas 17, 056304 (2010)]

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Recent calibrations of the National Ignition Facility backscatter diagnostic systems¹ and laser diagnostic systems have resulted in revised backscatter reflectivity data. Figures 6 and 7 of the original paper² should be replaced by Figs. 1 and 2 below. The final sentence of section III.E should now read, “Thus, the total backscatter reflectivity for the hohlraum is given by $R_{tot} \approx \frac{1}{3}R_{inner} + \frac{2}{3}R_{outer} \approx 5 - 15\%$ for the shots shown in Figs. 6 and 7.”

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²N. B. Meezan, L. J. Atherton, D. A. Callahan, E. L. Dewald, S. Dixit, E. G. Dzenitis, M. J. Edwards, C. A. Haynam, D. E. Hinkel, O. S. Jones, O. Landen, R. A. London, P. A. Michel, J. D. Moody, J. L. Milovich, M. B. Schneider, C. A. Thomas, R. P. J. Town, A. L. Warrick, S. V. Weber, K. Widmann, S. H. Glenzer, L. J. Suter, B. J. MacGowan, J. L. Kline, G. A. Kyrala, and A. Nikroo, Physics of Plasmas **17**, 056304 (2010), .

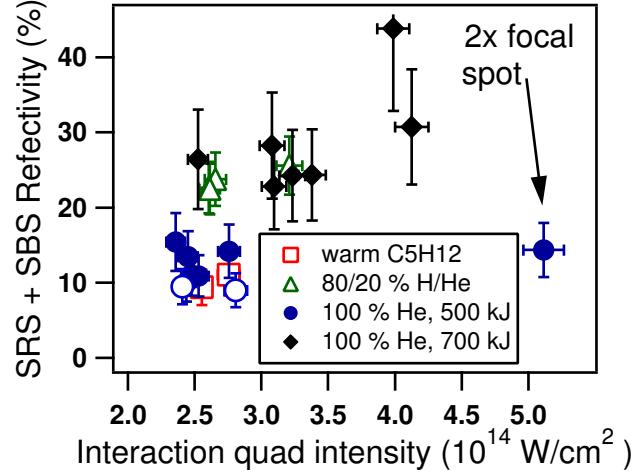


FIG. 1. (Color) Total (SRS+SBS) reflectivity vs. intensity on the inner-cone interaction (FABS/NBI) quad. The 100 % He, 520 kJ data set included a shot with 2× intensity phase plates, giving $I = 5.2 \times 10^{14} \text{ W/cm}^2$. Shots with checkerboard polarization smoothing are denoted by solid symbols.

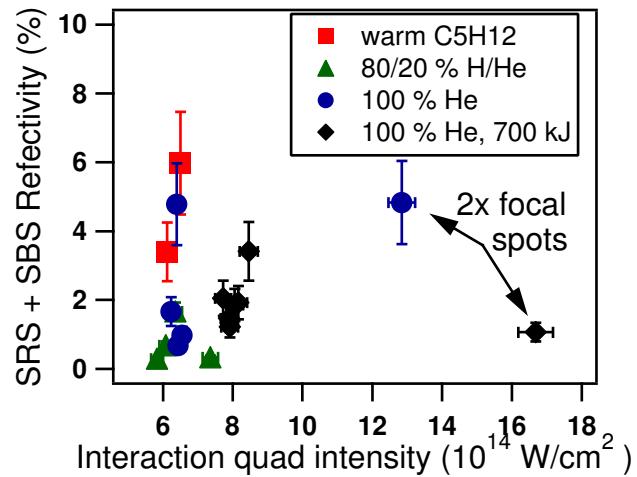


FIG. 2. (Color) Total (SBS + SRS) reflectivity vs. intensity on the outer-cone interaction (FABS/NBI) quad. The 100 % He, 520 kJ and 700 kJ data sets include shots with 2× intensity phase plates, giving $I = 1.3 \times 10^{15} \text{ W/cm}^2$ and $I = 1.7 \times 10^{15} \text{ W/cm}^2$, respectively.